



06-11-07

1636
1/636

CASE PA/4-32899A

FILING BY "EXPRESS MAIL" UNDER 37 CFR 1.10

EV83996119545
Express Mail Label Number

June 8, 2007
Date of Deposit

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE PCT NATIONAL STAGE APPLICATION OF
SUSA SPRING ET AL.

Art Unit: 1636

INTERNATIONAL APPLICATION NO: PCT/EP2004/003588

FILED: 5 APRIL 2004

U.S. APPLICATION NO: 10/552,319

35 USC §371 DATE: 18 OCTOBER 2005

FOR: GENE EXPRESSION ASSOCIATED WITH OSTEOLAST
DIFFERENTIATION

MS: Amendment

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

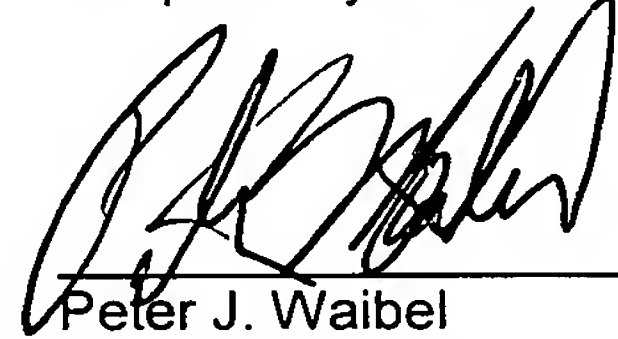
Applicants believe this paper is being filed before the mailing date of a first Office action on the merits, and so under 37 C.F.R. §1.97(b)(3) no fees are required. If a fee is deemed to be required, the Commissioner is hereby authorized to charge such fee to Deposit Account No. 19-0134.

In accordance with 37 C.F.R. §1.56, applicants wish to call the Examiner's attention to the references cited on the attached form(s) PTO-1449.

The listed references were cited in the international stage search report. Since these references are of record in the instant PCT application PCT/EP2004/003588, copies are not enclosed herewith.

The Examiner is requested to consider the foregoing information in relation to this application and indicate that each reference was considered by returning a copy of the initialed PTO 1449 form(s).

Respectfully submitted,



Peter J. Waibel
Attorney for Applicants
Reg. No. 43,228

Novartis
Corporate Intellectual Property
One Health Plaza, Building 104
East Hanover, NJ 07936-1080
(862) 778-7951

Date: 6/8/07

ATTY. DOCKET NO.
PA/4-32899A
APPLICATION NO.
10/552,319
APPLICANT
SUSA SPRING ET AL.
FILING DATE
OCTOBER 18, 2005Group
1636

INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)



U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						
	AL						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	OFFICE	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	AM						<input type="checkbox"/>	<input type="checkbox"/>
	AN						<input type="checkbox"/>	<input type="checkbox"/>
	AO						<input type="checkbox"/>	<input type="checkbox"/>
	AP						<input type="checkbox"/>	<input type="checkbox"/>
	AQ						<input type="checkbox"/>	<input type="checkbox"/>

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent pages, Etc.)

	AR	Kitching Richard et al., "Coordinate gene expression patterns during osteoblast maturation and retinoic acid treatment of MC3T3-E1 cells", Journal of Bone and Mineral Metabolism, Vol. 20, No. 5, pp. 269-280, (2002).
	AS	Eelen Guy et al., "The effects of 1alpha, 25-dihydroxyvitamin D3 on the expression of DNA replication genes", Journal of Bone and Mineral Research, Vol. 19, No. 1, pp. 133-146, (2004).
	AT	Cappellen David et al., "Transcriptional program of mouse osteoclast differentiation governed by the macrophage colony-stimulating factor and the ligand for the receptor activator of NFkappaB", Journal of Biological Chemistry, Vol. 277, No. 24, pp. 21971-21982, (2002).

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial of reference considered, whether or not citation is in conformance with MPEP 609: Draw a line through citation if not in conformance and not considered. Include a copy of this form with the next communication to applicant.

INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

ATTY. DOCKET NO.
PA/4-32899A
APPLICATION NO.
10/552,319
APPLICANT
SUSA SPRING ET AL.
FILING DATE
OCTOBER 18, 2005

Group
1636

EXAMINER
INITIAL

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent pages, Etc.)

	DA	Beck George R Jr et al., "Gene array analysis of osteoblast differentiation", Cell Growth and Differentiation, Vol. 12, No. 2, pp. 61-83, (2001).
	DB	Vaes Bart L T et al., "Comprehensive microarray analysis of bone morphogenetic protein 2-induced osteoblast differentiation resulting in the identification of novel markers for bone development", Journal of Bone and Mineral Research, Vol. 17, No. 12, pp. 2106-2118, (2002).
	DC	Seth Arun et al., "Coordinate expression of novel genes during osteoblast differentiation", Journal of Bone and Mineral Research, Vol. 15, No. 9, pp. 1683-1696, (2000).
	DD	De Jong Diana S et al., "Identification of novel regulators associated with early-phase osteoblast differentiation", Journal of Bone and Mineral Research: The Official Journal of the American Society for Bone and Mineral Research, Vol. 19, No. 6, pp. 947-958, (2004).
	DE	Tezuka Ken-Ichi et al., "Stimulation of osteoblastic cell differentiation by Notch", Journal of Bone and Mineral Research, Vol. 17, No. 2, pp. 231-239, (2002).
	DF	McGall G et al., "Light-Directed Synthesis of High-Density Oligonucleotide arrays Using Semiconductor Photoresists", Proceedings of the National Academy of Sciences of USA, National Academy of Science, Vol. 93, pp. 13555-13560, (1996).
	DG	
	DH	
	DI	
	DJ	
	DK	
	DL	
	DM	
	DN	

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial of reference considered, whether or not citation is in conformance with MPEP 609: Draw a line through citation if not in conformance and not considered. Include a copy of this form with the next communication to applicant.